Michigan Airport Development Program

AIP Capital Improvement Plan 2013-2023

Federal/State/Local



West Branch Community Airport

West Branch, MI



Date of Latest ALP - 2009 ACIP Airport Code - D Airport Identifier - Y31

MDOT-Aero 2700 E Airport Service Drive Lansing, Michigan 48906

Prepared By: **URS Corporation**

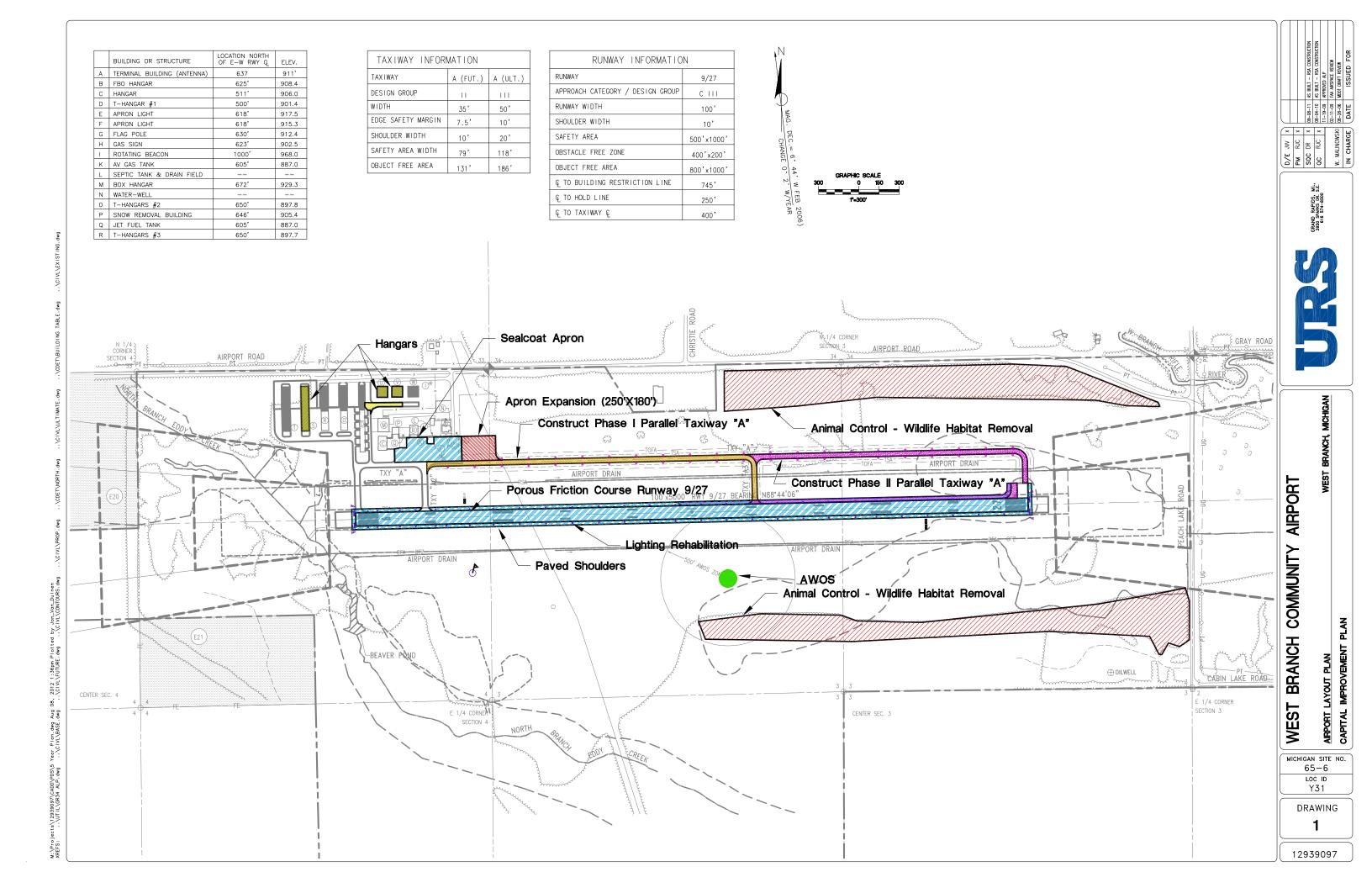
Sponsor: Co Ogemaw, City West Branch
Submitted By: Lane Tabor

Date: November 30, 2012

MICHIGAN STATE BLOCK GRANT PROGRAM

TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2013* to FY-2023

								- IIVIPROVEIVI I nent vear (2012 al				r-2013* to FY-2023 des acceptable)
Airport Name:	West Branch Commun	ity Airport					<u></u>) • α. (= • · = α.	.caay p.og.a.			Date prepared: 11-30-12
Associated City:	West Branch, MI											Prepared By: URS Corporation
Sponsor:	Co Ogemaw, City West Branch											Sponsor email address & phone: taberhome@charter.net (989) 345-1453
Airport Identifier	: Y31											FINAL ACIP due to MDOT AERO: no later than 12/1/11
Development		Shown on ALP?	ACIP	NPIAS	Federal	Federal	Federal	State	Local		Total	Remarks/Item Justification - Provide as much detail as possible.
Year	Project Description	(Yes or No)	Code** F	Priority Rating*	* Entitlements	Apportionment	Discretionary					(See detail sheets for extended information.)
2013			Avail	able Entitlements	\$ 405,000	(\$150,000 NPE p	us \$255,000 NPE o	carryover from 2012.)				
	Lighting Rehabilitation	Yes	RE-RW-LI	66	\$ 197,100			\$ 10,950	\$ 10,9	950 \$	- ,	Runway and Taxiway circuits are begining to fail. Based on the pre-engineering study a final scope of work has been determined. Existing cabling and transformers at each light will be replaced. Existing REIL, Windcone, and Apron lights will be replaced with LED fixtures. New parking lot light w be added as well as power to ceilometer. Most of lighting is from 1992. Portions of the cabling and Rwy lights on south side are from 1985.
		Yes	-		\$ - \$ -	\$ - \$ -				\$	-	
					\$ -	\$ -				\$	-	
					\$ 207,900			•				
2014		T	Avail	able Entitlements	\$ 357,900		T	T	1			
	AWOS	Yes	ST-EQ-WX	42	\$ 186,300 \$ -	\$ - \$ -		\$ 10,350	\$ 10,3	350 \$	207,000	On-site weather reporting is required for air cargo operations and Part 135 Conditions to use the airport. Weather is currently reported by the airport manager. AWOS III to by MDOT.
					\$ -	\$ -				\$	-	
		•	l l	Carryover	\$ 171,600			II.				
2015			Avail	able Entitlements	\$ 321,600							
	Design: Animal Control - Wildlife Habitat Removal	Yes	ST-OT-IM	41	\$ 22,500	\$ -		\$ 1,250	\$ 1,2	250 \$		Control of wildlife at the airport is difficult with the surrounding trees. Habitat removal would make management of this area less of an issue. Area would be cleared and graded to allow maintenance to prevent regrowth. Issue will be discussed with new airport board. Fencing is also and option but would have additional cost.
	Crack Seal Pavements	Yes	RE-RW-IM	66	\$ 20,700	\$ -		\$ 1,150	\$ 1,1	150 \$		Crack Seal Pavements with State Program
				Corre	\$ -	\$ -				\$	-	
2016			Augil	Carryover able Entitlements								
2010	Animal Control - Wildlife Habitat Removal		Avall	able Ellillements	φ 420,400							Control of wildlife at the airport is difficult with the surrounding trees. Habitat removal would make management of this area less of an issue. Area
	(Trees)	Yes	ST-OT-IM	41	\$ 261,900	\$ -		\$ 14,550	\$ 14,5	550 \$	291,000	would be cleared and graded to allow maintenance to prevent regrowth.
					\$ -	\$ -		, , , ,	.,-	\$	-	
					\$ -	\$ -				\$	-	
				Carryover								
2017		1	Avail	able Entitlements	\$ 316,500		1		1			Airport currently has only two pieces of snow removal equipment; an 2001 Oshkosh Plow Truck and a 2003 small tractor (lawn size). The airport has
	Multi-Purpose Carrier Vehicle w/ Snow Blower	Yes	ST-EQ-SN	44	\$ 165,600	\$ -		\$ 9,200	\$ 9,2	200 \$	184,000	no good means to remove snow banks around lights on runway. A large PTO powered snow blower is needed to keep the runway open and safe during winter operations. Desired machine will be versatile enough to also run several other pieces of snow removal equipment including a broom and blower. A snow removal equipment worksheet will be submitted the year prior to this project.
					\$ -	\$ -				\$	-	
				Carryover	\$ -	\$ -				\$	-	
2018			Avail	able Entitlements								
	PFC Runway, Crack Seal, Remark Pavements, Sealcoat Apron	Yes	RE-RW-IM	66	\$ 300,900	\$ 629,700 \$ -		\$ 51,700	\$ 51,7	700 \$ \$	1,034,000	Preventative maintenance is needed to preserve the airport pavement. Runway was built with glass grid to limit cracks, but by 2014 it is anticipated that this pavement will require some crack repair. The PCI ratings for the pavement range from 75-95. A PFC on the runway will preserve and protect the existing pavement. The PCI will also help create a better landing surface at the airport by increasing braking performance and creating a dryer surface but it will also extend the life of the pavement. Other preventative measures will include routing and sealing the existing cracks in the pavement and seal coating the apron. Both should provide an additional 4 years or service life. Pavement will also need to be remarked, the last time it was remarked was in 2009. Snow removal around lights due to buildup of snow banks is becoming difficult. Paved shoulders will improve snow removal, reduce erosion, and increase safety at airport. PCI Rating: Runway - 88 (2008) Taxiway - 75/95 (2008) Apron - 87 (2008)
		1	I.		\$ -	•		II.	•	1		
2019	Decision Developer			able Entitlements		Φ.				200 4		
	Design: Parallel Txy "A"	Yes	CA-TW-EX	47	\$ 54,000 \$ -	\$ - \$ -		\$ 3,000	\$ 3,0	000 \$	60,000	See following description.
		1	- L	Carryover		Ψ <u>-</u>	l			Įψ	•	
2020			Avail	able Entitlements								
	Phase I Parallel Txy "A" 2200 LFT with Reflectors EA for Phase II Parallel Txy "A"	Yes Yes	CA-TW-EX	47 47	\$ 246,000 \$ -	\$ 100,500 \$ 40,500		\$ 19,250 \$ 2,250		250 \$ 250 \$		A parallel taxiway is needed to facilitate traffic at the airport. Currently, when an airplane lands on Runway 9 it needs to turn around and taxi down th runway, limiting the number of operations at the airport. The grade has been built up from previous projects and a Cat. Ex. should be able to be obtained for environmental clearance. The taxiway will avoid the wetlands to the east but the connector will cross a ditch between the taxiway and runway. No engineering design costs are included since design will be done in previous year. Needed to construct phase II of parallel taxiway.
	LA TOTT HASE ITT ATAILET TAY A	1 62	OV-144-EV	71	\$ -	ψ 40,500	1	φ ∠,∠50	Ψ 2,2	-00 Þ	+5,000	produce to contract prices in or parametraximay.
2021			Avail	able Entitlements	\$ 150,000							
	Phase II Parallel Txy "A" 2000LFT (MITL fo											A full parallel taxiway is needed to safely facilitate traffic at the airport. This is also needed for lower minimums on a the GPS approach. To fully utiliz
	both Phases)	Yes	CA-TW-EX	47	\$ 150,000	\$ 475,500		\$ 34,750		750 \$		this taxiway during night time operations, taxiway lighting is necessary. Initial design will be done in 2011 with Phase I.
	Apron Expansion (250' x 180')		CA-AP-EX	42	\$ -	\$ 165,600		\$ 9,200	\$ 9,2	200 \$	184,000	Current apron is congested at times and a need for more space has been forecasted for itinerant aircraft.
2022			Avail	able Entitlements	7							
			Avail		\$ -	\$ -				\$	-	
					\$ -	\$ -				\$	-	
					\$ 150,000							
2023			Avail	able Entitlements	\$ 300,000							
	2 - 50'x50' Hangars	Yes	ST-BD-MS	29	\$ 297,900 \$ -	\$ - \$ -		\$ 16,550	\$ 16,5	550 \$	331,000	There is a demand for additional aircraft storage at the airport. Hangar construction will allow a source of revenue generating for operating the airport
				Carryover	\$ 2,100							



(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2013(1)
DESCRIPTION: Lighting Rehabilitation

Work Item Description	Quantity	Unit	1	Price		Amount
Work item Description	Quantity	Unit	-	FIICE		Amount
Mobilization	1	Lump Curs	ď	15 000 00	ď	15.000
Safety & Security	1 1	Lump Sum Lump Sum	\$	15,000.00 3.000.00	\$	15,000 3.000
LED REIL Replace on Existing Base	2	Set	\$	12,000.00	\$	24,000
Parking Lot Light on New Pole	1	Each	\$	4,500.00	\$	4,500
Apron Lights, Double Head on New Pole	4	Each	\$	6,000.00	\$	24,000
Apron and Parking Lot Light Circuits 2/C #8 5KVA	660	LFT	\$	2.00	\$	1,320
Counterpoise Ground at Ducts	16	Each	\$	150.00	\$	2,400
Replace Runway Circuit 1/C #8 5KVA	11,800	LFT	\$	1.00	\$	11,800
Replace Runway Homerun 2/C #8 5KVA	580	LFT	\$	1.50	\$	870
Replace Taxiway Circuit 1/C #8 5KVA	1,760	LFT	\$	1.00	\$	1,760
Replace Taxiway Circuit 1/C #6 5KVA Replace Taxiway Homerun 2/C #8 5KVA	1,730	LFT	\$	1.50	\$	2,595
Replace PAPI Homeruns 2/C #8 5KVA	5,600	LFT	\$	1.50	\$	8,400
Replace REIL Homeruns 2/C #8 5KVA	7,100	LFT	\$	1.50	\$	10,650
Replace Windcone Homerun 2/C #8 5KVA	1,530	LFT	\$	1.50	\$	2,295
Adjust Existing Stake Light	12	Each	\$	100.00	\$	1,200
Adjust Existing State Light	2	Each	\$	250.00	\$	500
Replace Existing Light Fixtures	110	Each	\$	150.00	\$	16,500
Ground Rod for Each Light Fixture	110	Each	\$	125.00	\$	13,750
Replace Taxiway Light Transformer 30kW	38	Each	\$	150.00	\$	5,700
Replace Threshold Light Transformer 45kW	16	Each	\$	175.00	\$	2,800
Replace Runway Light Transformer 45kW	56	Each	\$	175.00	\$	9,800
New Regulator 7.5kVA	1	Each	\$	8,000.00	\$	8,000
Vault Work for Apron and Parking Lights	1	Lump Sum	\$	3,500.00	\$	3,500
		'		,	\$	-
					\$	-
					\$	-
					\$	-
	TOTAL CONSTR	RUCTION			\$	174,340.00
	ENGINEERING				\$	15,000.00
	CONSTRUCTION ADMIN.			\$	20,000.00	
	CONTINGENCY 5%		\$	8,717.00		
	TOTAL*				\$	219,000.00
	TOTAL FEDERA	L DOLLARS		90%	\$	197,100
	TOTAL STATE D	OOLLARS		5.0%	\$ \$	10,950
	TOTAL LOCAL	OOLLARS		5.0%	\$	10,950

^{*} Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION:

Runway and Taxiway circuits are begining to fail. Based on the pre-engineering study a final scope of work has been determined. Existing cabling and transformers at each light will be replaced. Existing REIL, Windcone, and Apron lights will be replaced with LED fixtures. New parking lot light will be added as well as power to ceilometer. Most of lighting is from 1992. Portions of the cabling and Rwy lights on south side are from 1985.

ALP STATUS	ENV.	PURPOSE:	Reconstruction	8
	Categorical Ex.	COMPONENT:	Runway	10
	Expected	TYPE:	Lighting	8
		F	66	

West Branch Community Airport

YEAR (PROJECT NUMBER): 2014(1) **DESCRIPTION: AWOS**

Work Item Description	Quantity	Unit		Price		Amount
AWOS Installation	1	LUMP SUM	\$	130,000.00	\$	130,000
Drop Trees > than 20'	14.1	Acres	\$	750.00	\$	10,575
Clear to Ground	14.6	Acres	\$	2,500.00	\$	36,500
Grade and Grub	0.8	Acres	\$	5,000.00	\$	4,000
3" Topsoil	330	CYD	\$	12.00	\$	3,960
Seeding and Mulching	0.8	Acres	\$	2,000.00	\$	1,600
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	TOTAL CONST	RUCTION			\$	186,635.00
		ENGINEERING DESIGN CONSTRUCTION ADMIN. CONTINGENCY			\$	6,500.00
					\$	4,000.00
					\$	9,331.75
	TOTAL*				\$	207,000.00
	TOTAL FEDERA	AL DOLLARS		90%	\$	186,300
	TOTAL STATE			5.0%	\$	10 350

TOTAL STATE DOLLARS 10,350 5.0% \$ TOTAL LOCAL DOLLARS 5.0% \$ 10,350

DESCRIPTION AND JUSTIFICATION:

On-site weather reporting is required for air cargo operations and Part 135 Conditions to use the airport. Weather is currently reported by the airport manager. AWOS III to by MDOT.

ALP STATUS	ENV.	PURPOSE:	Standards	6
	Categorical Ex.	COMPONENT:	Equipment	8
	Expected	TYPE:	Veather Reporting E	8
		· ·	PRIORITY NUMBER	42

Date: 12/3/2012 Page 4 of 15

^{*} Amount rounded up to the nearest thousand dollars.

Consultant URS Corporation (Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2015(1)

DESCRIPTION: Design: Animal Control - Wildlife Habitat Removal

Work Item Description	Quantity	Unit	Price		Amount
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	TOTAL CONSTRU	ICTION		<u> </u>	
	ENGINEERING DI			\$ \$	25,000.0
				Ф	23,000.00
	CONSTRUCTION ADMIN. CONTINGENCY 5°		5%	\$	_
	TOTAL*		J /0	\$	25,000.00
	<u> </u>			т	- ,
	TOTAL FEDERAL		90%	\$	22,50
	TOTAL STATE DO		5.0%	\$ \$	1,250
	TOTAL LOCAL DO	DLLARS	5.0%	\$	1,250

DESCRIPTION AND JUSTIFICATION:

Control of wildlife at the airport is difficult with the surrounding trees. Habitat removal would make management of this area less of an issue. Area would be cleared and graded to allow maintenance to prevent regrowth. Issue will be discussed with new airport board. Fencing is also and option but would have additional cost.

* Amount rounded up to the nearest thousand dollars.

ALP STATUS	ENV.	PURPOSE:	Standards	6
	Categorical Ex.	COMPONENT:	Other	7
	Expected	TYPE:	Improvements	8
		F	PRIORITY NUMBER	41

Consultant URS Corporation
(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2015(2) **DESCRIPTION: Crack Seal Pavements**

Work Item Description	Quantity	Unit	Price	ı A	Mount
				\$ 75 \$	-
Crack Seal All Pavements	30,000	LFT	\$ 0.7		22,500
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ENGINEERING DESIGN CONSTRUCTION ADMIN. CONTINGENCY 23,000.00 TOTAL* TOTAL FEDERAL DOLLARS 90% \$ 20,700 TOTAL STATE DOLLARS 5.0% \$ 1,150 TOTAL LOCAL DOLLARS 5.0% \$ 1,150 * Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION: Crack Seal Pavements with State Program
Clack Seal Favernerits with State Frogram

ALP STATUS	ENV.	PURPOSE:	Reconstruction	8
Yes	Categorical Ex.	COMPONENT:	Runway	10
	Expected		Improvements	8
		F	PRIORITY NUMBER	66

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2016(1)

DESCRIPTION: Animal Control - Wildlife Habitat Removal (Trees)

Work Item Description	Quantity	Unit	Price	Amount
Mobilization	1	Lump Sum	\$ 15,000.00	\$ 15,000
Safety & Security	1	Lump Sum	\$ 3,000.00	\$ 3,000
Clear & Grub	60	Acres	\$ 1,500.00	\$ 90,000
Grade grubbed area smooth	30	Acres	\$ 3,000.00	\$ 90,000
Furfing Turfing	60	Acres	\$ 1,000.00	\$ 60,000
				\$ -
				\$ _
				\$ -
				\$ -
				\$ _
				\$ _
				\$ -
	TOTAL CONSTI ENGINEERING			\$ 258,000.00
	CONSTRUCTIO			\$ 20,000.0
	CONTINGENCY		5%	\$ 12,900.0
	TOTAL*		\$ 291,000.0	

TOTAL CONSTRUCTION		Ψ	236,000.00
ENGINEERING DESIGN			
CONSTRUCTION ADMIN.		\$	20,000.00
CONTINGENCY	5%	\$	12,900.00
TOTAL*		\$	291,000.00
TOTAL FEDERAL DOLLARS	90%	\$	261,900
TOTAL STATE DOLLARS	5.0%	\$	14,550
TOTAL LOCAL DOLLARS	5.0%	\$	14,550

* Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION:

Control of wildlife at the airport is difficult with the surrounding trees. Habitat removal would make management of this area less of an issue. Area would be cleared and graded to allow maintenance to prevent regrowth.

ALP STATUS	ENV.	PURPOSE:	Standards	6
	Categorical Ex.	COMPONENT:	Other	7
	Expected	TYPE:	Improvements	8
		F	PRIORITY NUMBER	41

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2017(1)

DESCRIPTION: Multi-Purpose Carrier Vehicle w/ Snow Blower

Work Item Description	Quantity	Unit	Price		Amount
•					
Multi-Purpose Carrier Vehicle /w Loader	1	Lump Sum	\$ 150,000.00	\$	140,000
- Snow Blower Attachment	1	Lump Sum	\$ 18,000.00	\$	18,000
- Snow Plow (box blade style)	1	Lump Sum	\$ 7,500.00	\$	7,500
- Turbine Air Blower	1	Lump Sum	\$ 5,000.00	\$	5,000
				\$	-
				\$	-
Other Options:				\$	-
- Backhoe with Snow Scoop			\$ 12,000.00	\$	-
- Snow Plow (rotates and has moveable end wings)			\$ 20,000.00	\$	-
- 20' Woods Mower (local only cost)			\$ 20,000.00	\$	-
- 15' Woods Mower (local only cost)			\$ 12,000.00	\$	-
- 60" hydraulic boom arm mower (clean ditches) (local only cost)			\$ 35,000.00	\$	-
- 8' Flail chopper/tree shredder (up to 8" tree) (local only cost)			\$ 20,000.00	\$	-
- High Speed Rotary Broom attachment			\$ 8,000.00	\$	-
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	TOTAL CONST			\$	170,500.00
	BIDDING DOCU	JMENTS		\$	4,500.00
	CONSTRUCTION	ON ADMIN.		\$	-
	CONTINGENCY	Y	5%	\$	8,525.00
	TOTAL*			\$	184,000.00
	TOTAL FEDER	AL DOLLARS	90%	\$	165,600
	TOTAL STATE	DOLLARS	5.0%	\$	9,200
	TOTALLOCAL	DOLLADO	E 00/	Φ.	0,000

^{*} Amount rounded up to the nearest thousand dollars.

5.0%

DESCRIPTION AND JUSTIFICATION:

Airport currently has only two pieces of snow removal equipment; an 2001 Oshkosh Plow Truck and a 2003 small tractor (lawn size). The airport has no good means to remove snow banks around lights on runway. A large PTO powered snow blower is needed to keep the runway open and safe during winter operations. Desired machine will be versatile enough to also run several other pieces of snow removal equipment including a broom and blower. A snow removal equipment worksheet will be submitted the year prior to this project.

TOTAL LOCAL DOLLARS

ALP STATUS	ENV.	PURPOSE:	Standards	6
	Categorical Ex.	COMPONENT:	Equipment	8
	Expected	TYPE:	Snow Removal Eq	9
		F	PRIORITY NUMBER	44

9,200

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2018(1)

DESCRIPTION: PFC Runway, Crack Seal, Remark Pavements, Sealcoat Apron

Work Item Description	Quantity	Unit	Price		Amount
Mobilization / Safety & Security	1	LS	\$ 60,000.00	\$	60,000
Sealcoat Apron	12,000	SYD	\$ 3.00	\$	36,000
Crack Seal All Pavements	20,000	LFT	\$ 2.00	\$	40,000
Remark Airport	45,000	LFT	\$ 0.75	\$	33,750
PFC Pavement 3/4"	2,400	Tons	\$ 120.00	\$	288,000
2" Bituminous Pavement (12' Shoulder)	1,600	Tons	\$ 85.00	\$	136,000
6" Aggregate Base (12' Shoulder)	2,300	Cyd	\$ 30.00	\$	69,000
Earth Excavation	3,500	Cyd	\$ 5.00	\$	17,500
Shoulder Markings	12,000	Sqft	\$ 0.50	\$	6,000
Runway Edge Markings	30,000	Sqft	\$ 0.50	\$	15,000
8" Underdrain	16,383	LFT	\$ 8.00	\$	131,064
				\$	-
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	TOTAL CONSTRUCTION CONTINGENCY	DESIGN N ADMIN.	 5%	\$ \$ \$ \$	832,314.00 75,000.00 85,000.00 41,615.70 1,034,000.00
	TOTAL FEDERA	AL DOLLARS	90%	\$	930,600

^{*} Amount rounded up to the nearest thousand dollars.

5.0%

5.0%

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\$

51,700

51,700

TOTAL STATE DOLLARS

TOTAL LOCAL DOLLARS

DESCRIPTION AND JUSTIFICATION:

Preventative maintenance is needed to preserve the airport pavement. Runway was built with glass grid to limit cracks, but by 2014 it is anticipated that this pavement will require some crack repair. The PCI ratings for the pavement range from 75-95. A PFC on the runway will preserve and protect the existing pavement. The PCI will also help create a better landing surface at the airport by increasing braking performance and creating a dryer surface but it will also extend the life of the pavement. Other preventative measures will include routing and sealing the existing cracks in the pavement and seal coating the apron. Both should provide an additional 4 years or service life. Pavement will also need to be remarked, the last time it was remarked was in 2009. Snow removal around lights due to buildup of snow banks is becoming difficult. Paved shoulders will improve snow removal, reduce erosion, and increase safety at airport.

PCI Rating: Runway - 88 (2008) Taxiway - 75/95 (2008)

Apron - 87 (2008)

ALP STATUS	ENV.	PURPOSE:	Reconstruction	8
Yes	Categorical Ex.	COMPONENT:	Runway	10
	Expected	TYPE:	Improvements	8
		F	RIORITY NUMBER	66

Consultant URS Corporation
(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2019(1)

DESCRIPTION: Design: Parallel Txy "A"

Work Item Description	Quantity	Unit	Price		Amount
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				\$	-
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	ENGINEERING D			\$	60,000.00
	CONSTRUCTION			Ψ	00,000.00
	CONTINGENCY	.,		\$	_
	TOTAL*			\$	60,000.00
	TOTAL FEDERAL	DOLLARS	90%	\$	54,000
	TOTAL STATE D		5.0%	\$	3,000
	TOTAL STATE D		5.0%	φ \$	3,000
	* Amount rounded up			Ψ	3,000

DESCRIPTION AND JUSTIF	ICATION:		
See following description.			

ALP STATUS	ENV.	PURPOSE:	Capacity	7
Yes	Categorical Ex.	COMPONENT:	Taxiway	8
	Expected	TYPE:	Extension/Expansion	6
			PRIORITY NUMBER	47

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2020(1)

DESCRIPTION: Phase I Parallel Txy "A" 2200 LFT with Reflectors

Work Item Description	Quantity	Unit	Price	Amount
Mobilization	1	Lump Sum	\$ 30,000.00	\$ 30,000
Safety & Security	1	Lump Sum	\$ 4,000.00	\$ 4,000
Unclassified Excavation	3,000	CYD.	\$ 5.00	\$ 15,000
Aggregate Base Course 6"	1,900	CYD.	\$ 30.00	\$ 57,000
Bituminous Surface 3"	1,900	Tons	\$ 85.00	\$ 161,500
Soil Erosion Controls	1	Lump Sum	\$ 4,000.00	\$ 4,000
Drainage Structures	1	Lump Sum	\$ 18,000.00	\$ 18,000
Taxiway Markings (Center & Edge)	7,500	S. Ft.	\$ 1.50	\$ 11,250
Seeding & Mulching	5	Acres	\$ 2,000.00	\$ 10,000
Reflectors	40	Each	\$ 100.00	\$ 4,000
Signs	5	Each	\$ 4,500.00	\$ 22,500
				\$ -
	TOTAL CONST	RUCTION		\$ 337,250.00
	ENGINEERING	DESIGN		
	CONSTRUCTIO			\$ 30,000.00
	CONTINGENCY	/	5%	\$ 16,862.50
	TOTAL*			\$ 385,000.00
	TOTAL FEDERA	AL DOLLARS	90%	\$ 346,500
	TOTAL STATE		5.0%	\$ 19,250
	TOTAL LOCAL		5.0%	\$ 19,250

DESCRIPTION AND JUSTIFICATION:

A parallel taxiway is needed to facilitate traffic at the airport. Currently, when an airplane lands on Runway 9 it needs to turn around and taxi down the runway, limiting the number of operations at the airport. The grade has been built up from previous projects and a Cat. Ex. should be able to be obtained for environmental clearance. The taxiway will avoid the wetlands to the east but the connector will cross a ditch between the taxiway and runway. No engineering design costs are included since design will be done in previous year.

* Amount rounded up to the nearest thousand dollars.

ALP STATUS	ENV.	PURPOSE:	Capacity	7
	Categorical Ex.	COMPONENT:	Taxiway	8
	Expected	TYPE:	Extension/Expansion	6
			PRIORITY NUMBER	47

Consultant URS Corporation
(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2020(2)

DESCRIPTION: EA for Phase II Parallel Txy "A"

Work Item Description	Quantity	Unit		Price	- 1	Amount
Environmental Assessment	1	Lump Sum	\$	35,000.00	\$	35,000
					\$	
Preliminary Engineering	1	Lump Sum	\$	10,000.00	\$	10,000
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	TOTAL CONST	RUCTION			\$	45,000.00
	ENGINEERING	DESIGN			\$	-
	CONSTRUCTIO	N ADMIN.			\$	-
	CONTINGENCY				\$	-
	TOTAL*				\$	45,000.00
	TOTAL FEDERA	L DOLLARS		90%	\$	40,500
	TOTAL STATE [5.0%	\$	2,250
	TOTAL LOCAL I			5.0%	\$	2,250
	* Amount rounded u	p to the nearest thou	ısand do	llars.		

DESCRIPTION AND JUSTIFICATION:

	ALP STATUS	ENV.	PURPOSE:	Capacity	7
Yes		Categorical Ex.	COMPONENT:	Taxiway	8
		Expected	TYPE:	Extension/Expansion	6
			P	RIORITY NUMBER	47

Needed to construct phase II of parallel taxiway.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2021(1)

DESCRIPTION: Phase II Parallel Txy "A" 2000LFT (MITL for both Phases)

Work Item Description	Quantity	Unit	Price	Amount
Mobilization	1	Lump Sum	\$ 40,000.00	\$ 40,000
Safety & Security	1	Lump Sum	\$ 5,000.00	\$ 5,000
Unclassified Excavation	12,000	CYD.	\$ 4.50	\$ 54,000
Aggregate Base Course 6"	1,500	CYD.	\$ 30.00	\$ 45,000
Bituminous Surface 3"	1,600	Tons	\$ 85.00	\$ 136,000
Drainage Structures	1	Lump Sum	\$ 20,000.00	\$ 20,000
Taxiway Markings (Center & Edge)	7,500	S. Ft.	\$ 1.00	\$ 7,500
Seeding & Mulching	14	Acres	\$ 1,500.00	\$ 21,000
Wetland Mitigation	6	Acres	\$ 15,000.00	\$ 90,000
Muck Excavation	1,000	CYD.	\$ 10.00	\$ 10,000
Underground Cable , 1/C, #8	13,070	LFT.	\$ 2.00	\$ 26,140
Counterpoise Wire, #6	11,575	L. F.	\$ 2.00	\$ 23,150
Galvanized Steel Conduit, 2" Direct Burial	175	L. F.	\$ 20.00	\$ 3,500
Galvanized Steel Conduit, 4 Bank 2" Direct Burial	300	LFT.	\$ 30.00	\$ 9,000
LED Taxiway Lights - Stake	66	Each	\$ 600.00	\$ 39,600
LED Taxiway Lights - Base	10	Each	\$ 900.00	\$ 9,000
Electrical Vault Work	1	Each	\$ 15,000.00	\$ 15,000
Taxiway Signs	3	Each	\$ 4,000.00	\$ 12,000
				\$ -

	\$	565,890.00
	\$	50,000.00
	\$	50,000.00
5%	\$	28,294.50
	\$	695,000.00
90%	\$	625,500
5.0%	\$	34,750
E 00/	Φ	34,750
	90% 5.0%	5% \$ \$ \$ 90% \$

^{*} Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION:

A full parallel taxiway is needed to safely facilitate traffic at the airport. This is also needed for lower minimums on a the GPS approach. To fully utilize this taxiway during night time operations, taxiway lighting is necessary. Initial design will be done in 2011 with Phase I.

ALP STATUS	ENV.	PURPOSE:	Capacity	7
	Categorical Ex.	COMPONENT:	Taxiway	8
	Expected	TYPE:	Extension/Expansion	6
			PRIORITY NUMBER	47

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2021(2)
DESCRIPTION: Apron Expansion (250' x 180')

Work Item Description	Quantity	Unit		Price	4	Amount
Mat Program		1	 	0.000.00	Φ.	0.000
Mobilization	1 1	Lump Sum	\$	8,000.00	\$	8,000
Safety & Security	· · · · · · · · · · · · · · · · · · ·	Lump Sum	\$	1,500.00	\$	1,500
Bituminous Surface 4"	800	Tons	\$	100.00	\$	80,000
6" Gravel Base	800	CYD	\$	30.00	\$	24,000
Unclassified Excavation	1,200	CYD.	\$	4.00	\$	4,800
Relocate Fence	300	LFT	\$	15.00	\$	4,500
Fie-Downs	12	Each	\$	800.00	\$	9,600
Marking	1	Lump Sum	\$	1,000.00	\$	1,000
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	TOTAL CONSTR				\$	133,400.0

TOTAL CONSTRUCTION		\$ 133,400.00
ENGINEERING DESIGN		\$ 15,000.00
CONSTRUCTION ADMIN.		\$ 15,000.00
CONTINGENCY	15%	\$ 20,010.00
TOTAL*		\$ 184,000.00
TOTAL FEDERAL DOLLARS	90%	\$ 165,600
TOTAL STATE DOLLARS	5.0%	\$ 9,200
TOTAL LOCAL DOLLARS	5.0%	\$ 9.200

* Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION:

Current apron is congested at times and a need for more space has been forecasted for itinerant aircraft.

ALP STATUS	ENV.	PURPOSE:	Capacity	7
Yes	Categorical Ex.	COMPONENT:	Apron	5
	Expected	TYPE:	Extension/Expansion	6
			PRIORITY NUMBER	42

(Preparer) William M. Malinowski P.E.

West Branch Community Airport

YEAR (PROJECT NUMBER): 2023(1)
DESCRIPTION: 2 - 50'x50' Hangars

Work Item Description	Quantity	Unit	Price	-	Amount
Site Work & Utilities	1	LUMP SUM	\$ 15,000.00	\$	15,000
Building	5,000	SFT	\$ 50.00	\$	250,000
Bi-Fold Doors	2	Each	\$ 9,000.00	\$	18,000
				\$	-
Unclassified Excavation	250	CYD.	\$ 4.00	\$	1,000
Granular Sub-Base 9"	60	CYD.	\$ 15.00	\$	900
Aggregate Base Course 6"	40	CYD.	\$ 30.00	\$	1,200
Bituminous Surface 3"	40	Tons	\$ 100.00	\$	4,000
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	TOTAL CONSTI				290,100.00

TOTAL CONSTRUCTION		\$	290,100.00
ENGINEERING DESIGN		\$	14,000.00
CONSTRUCTION ADMIN.		\$	12,000.00
CONTINGENCY	5%	\$	14,505.00
TOTAL*		\$	331,000.00
TOTAL FEDERAL DOLLARS	90%	\$	297,900
TOTAL FEDERAL DOLLARS TOTAL STATE DOLLARS	90% 5.0%	\$ \$	297,900 16,550
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^{*} Amount rounded up to the nearest thousand dollars.

DESCRIPTION AND JUSTIFICATION:

There is a demand for additional aircraft storage at the airport. Hangar construction will allow a source of revenue generating for operating the airport.

ALP STATUS	ENV.	PURPOSE:	Standards	6
	Categorical Ex.	COMPONENT:	Building	3
	Expected	TYPE:	Misc.	5
			PRIORITY NUMBER	29

